

U.S. PATENT & TRADEMARK OFFICE
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WHAT IS CLAIMED IS:
CLAIMS

1. A heat exchanger comprising

a plurality of coil circuits each extending from an inlet header to an outlet header, each coil circuit comprised of elongated tubing,
a structure supporting the coil circuits, the structure having an inlet face and an outlet face,
a fan assembly mounted adjacent the inlet face such that air can be drawn by the fan assembly with the inlet face, across the coil circuit and out the outlet face,
wherein the fan assembly can be readily attached and detached from the inlet face.

2. The heat exchanger of claim 1

wherein the structure includes a top portion, bottom portion and a plurality of vertical supports extending vertically between the top portion and the bottom portion,
and the fan assembly is attached to the top portion, bottom portion and at least one vertical support.

3. The heat exchanger of claim 2

wherein the fan assembly comprises a base support and a fan, with the fan mounted on the base support such that the base support has a generally flat edge,
the flat edge of the base support being positioned adjacent and attached to the top portion, bottom portion and at least one vertical support of the structure.

4. The heat exchanger of claim 3

wherein the fan assembly includes an extending section between the flat edge of the base support and the fan such that the fan is spaced from the flat edge,
and wherein the extending section is formed of a solid material.

5. The heat exchanger of claim 4

wherein the extending section is formed of sheet metal.

6. The heat exchanger of claim 4

wherein the extending section is of uniform dimension such that the fan is mounted in a plane perpendicular to the inlet face.

7. The heat exchanger of claim 4

wherein the extending section includes a top section and a bottom section, and the top section is of a length greater than the length of the bottom section such that the fan is wanted at an angle to the inlet face.

8. A heat exchanger comprising

a plurality of coil circuits each extending from an inlet header to an outlet header, each coil circuit comprised of elongated tubing,

a structure supporting the coil circuits, the structure having an inlet face and an outlet face, a fan assembly mounted adjacent the outlet face such that air can be drawn by the fan assembly with the inlet face, across the coil circuit and out the outlet face,

wherein the fan assembly can be readily attached and detached from the inlet face.

9. The heat exchanger of claim 8

wherein the structure includes a top portion, bottom portion and a plurality of vertical supports extending vertically between the top portion and the bottom portion,

and the fan assembly is attached to the top portion, bottom portion and at least one vertical support.

10. The heat exchanger of claim 9

wherein the fan assembly comprises a base support and a fan, with the fan mounted on the base support such that the base support has a generally flat edge,

the flat edge of the base support being positioned adjacent and attached to the top portion, bottom portion and at least one vertical support of the structure.

11. The heat exchanger of claim 10

wherein the fan assembly includes an extending section between the flat edge of the base support and the fan such that the fan is spaced from the flat edge,

and wherein the extending section is formed of a solid material.

12. The heat exchanger of claim 11

wherein the extending section is formed of sheet metal.

13. The heat exchanger of claim 11

wherein the extending section is of uniform dimension such that the fan is mounted in a plane
perpendicular to the outlet face.

14. The heat exchanger of claim 4

wherein the extending section includes a top section and a bottom section, and the top section is of a length
greater than the length of the bottom section such that the fan is mounted at an angle to the outlet face.

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